

REMARKS

Claims 1-3, 5, and 9 remain in the application for consideration of the Examiner with Claim 8 standing cancelled.

Reconsideration and withdrawal of the outstanding rejections are respectfully requested in light of the above amendments and following remarks.

The drawings were objected to under 37 CFR 1.83.

This rejection is respectfully traversed.

The Examiner alleges that C21, C22, phase 1, and phase 2 must be shown in the drawings.

However, Applicants respectfully submit that these elements are not essential for proper understanding of the disclosed invention and consequently are not required to be shown in the drawings.

The drawings were objected to as failing to comply with 37 CFR 1.84.

Applicants have amended the specification in order to overcome the concerns of the Examiner.

It is respectfully submitted that the drawings are in full compliance with 37 CFR 1.84.

The drawings were objected to as failing to comply with 37 CFR 1.84.

By the instant amendment, Applicants have amended the specification in order to take into consideration the concerns of the Examiner.

The drawings were objected to under 37 CFR 1.84.

Applicants have amended the specification in order to take care of the concerns of the Examiner.

However, this rejection is traversed in part.

The Examiner alleges that the characters in Figures 3 and 4 are too small and unclear to be read.

However, Applicants respectfully submit that they are readable.

Furthermore, the Examiner alleges that Figures 2A, 44A, and 44B are unclear however; Applicants submit that the Examiner has misread them and consequently they appear to be clear.

The drawings were objected to as failing to comply with 37 CFR 1.84, because they include reference characters not mentioned in the description.

By separate letter, a proposed drawing correction is submitted.

The Examiner objected to the disclosure.

By the instant amendment, Applicants have amended the specification in order to take into consideration the concerns of the Examiner.

Claims 1-3, 5, and 8-10 were rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement.

A sensing unit corresponds to element 11, an integrator by 23, and generation circuit by element 13.

These are coupled together.

Claims 1-3, 5, and 8-10 were rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the enablement requirement.

The Examiner's attention is directed to page 8, lines 1-5 where the cancellation circuit is described.

The sensing unit corresponds to element 11.

Claims 1-3, 5, and 8-10 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite.

This seems to be a repeat of the 35 U.S.C. § 112 first paragraph rejection and for the reasons described herein above, it is believed that these have been overcome.

Claims 1-3, 5, and 8-10 are in full compliance with 35 U.S.C. § 112.

Turning now to the art rejections, Claims 1-3, 5, and 8-10 were rejected under 35 U.S.C. § 102(b) as being anticipated by Brito; and Claims 1-3, 5, and 8-10 were rejected under 35 U.S.C. § 102(b) as being anticipated by Nakatani.

These rejections are respectfully traversed.

It is respectfully submitted that Brito does not disclose or suggest the presently claimed invention including a cancellation circuit coupled with the sensing unit and operable for determining a DC offset and providing said DC offset to said integrator part

for said mathematical integration for canceling said DC offset from said compensation signal.

Brito discloses capacitor 194 however, this does not provide DC cancellation to the integration part.

It is respectfully submitted that Nakatani does not disclose or suggest the presently claimed invention including the integration part including a cancellation circuit coupled with the sensing unit and operable for determining a DC offset and providing said DC offset to said integrator part for said mathematical integration for canceling said DC offset from said compensation signal.

The Examiner alleges that element 112 in Figure 13a discloses this element.

The offset value 110 is not provided to the integrator 112 and consequently could not disclose the above mentioned subject matter.

In light of the above, it is respectfully submitted that the present application is in condition for allowance, and notice to that effect is respectfully requested.

While it is believed that the instant response places the application in condition for allowance, should the Examiner have any further comments or suggestions, it is respectfully requested that the Examiner contact the undersigned in order to expeditiously resolve any outstanding issues.

To the extent necessary, Applicant petitions for an Extension of Time under 37 CFR 1.136. Please charge any fees in connection with the filing of this paper, including extension of time fees, to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'W. Daniel Swayze, Jr.', is positioned above the printed name.

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